STYROBECK GEOFOAM

Expanded Polystyrene (EPS) blocks used as a lightweight structural fill providing a cost effective solution.

Supplied in a range of densities and sizes to suit the engineering design requirements. Choosing the correct density will depend on the compressive loading required. All blocks can be cut to suit specific design requirements, including penetrations, angles and two dimensional profiles. Geofoam blocks are made with fire retardant material.

Standard Block Sizes

5.02 x 1.22 x 0.53 (3.25m^3)

Note: Blocks can be cut to other sizes such as ½ blocks for joint staggering

Table of physical properties of EPS

PHYSICAL PROPERTY	UNIT	SL	S	M	H	VH	TEST METHOD
Compressive stress at 10% deformation (min)	kPa	70	85	105	135	165	AS 2498.3
Cross-breaking strength (min)	kPa	135	165	200	260	320	AS 2498.4
Rate of water vapour transmission (max) measured parallel to rise at 23°C	mg/m2s	630	580	520	460	400	AS 2498.5
Dimensional stability of length, width, thickness (max) at 70°C, dry condition 7 days	%	1	1	1	1	1	AS 2498.6

Advantages

- Lightweight & easy to transport
- High compressive strength
- Cost effective
- Ease of placement especially in sites with limited access
- Durable long term (will not decompose)

Applications

- Road embankments
- Bridge abutments
- Causeways
- Protection of underground services (Drain & sewer lines)
- Retaining wall fill

Chemical resistance

EPS block is resistant to soaps and inorganic substances such as dilute acids, alkalis and salt solutions.
It is attacked by organic solvent, including hydrocarbon fuels and lubricants.

For further assistance please call our sales team on 0800 87 87 85